

# 2015 Consumer Confidence Report

Water System Name: Santa Rosa Golf & Country Club 4900878 Report Date: 5/19/16

*We test the drinking water quality for many constituents as required by state and federal regulations. This report shows the results of our monitoring for the period of January 1 - December 31, 2015 and may include earlier monitoring data.*

**Este informe contiene información muy importante sobre su agua potable. Tradúzcalo ó hable con alguien que lo entienda bien.**

Type of water source(s) in use: One Ground Water Well

Name & general location of source(s): Well 08. The well is located at 333 Country Club Drive in Santa Rosa.

Drinking Water Source Assessment information: An assessment was completed in October, 2001. It may be viewed by contacting the Department of Health Services at 50 D Street, Suite 200, Santa Rosa, Ca.

Time and place of regularly scheduled board meetings for public participation: N/A

For more information, contact: Tyler Judson, Weeks Water Treatment Phone: (707) 823-3184

## TERMS USED IN THIS REPORT

**Maximum Contaminant Level (MCL):** The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

**Maximum Contaminant Level Goal (MCLG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency (USEPA).

**Public Health Goal (PHG):** The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

**Maximum Residual Disinfectant Level (MRDL):** The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.

**Maximum Residual Disinfectant Level Goal (MRDLG):** The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

**Primary Drinking Water Standards (PDWS):** MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

**Secondary Drinking Water Standards (SDWS):** MCLs for contaminants that affect taste, odor, or appearance of the drinking water. Contaminants with SDWSs do not affect the health at the MCL levels.

**Treatment Technique (TT):** A required process intended to reduce the level of a contaminant in drinking water.

**Regulatory Action Level (AL):** The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

**Variances and Exemptions:** State Board permission to exceed an MCL or not comply with a treatment technique under certain conditions.

**ND:** not detectable at testing limit

**ppm:** parts per million or milligrams per liter (mg/L)

**ppb:** parts per billion or micrograms per liter (µg/L)

**ppt:** parts per trillion or nanograms per liter (ng/L)

**ppq:** parts per quadrillion or picogram per liter (pg/L)

**pCi/L:** picocuries per liter (a measure of radiation)

**The sources of drinking water** (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally-occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity.

**Contaminants that may be present in source water include:**

- *Microbial contaminants*, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife.
- *Inorganic contaminants*, such as salts and metals, that can be naturally-occurring or result from urban stormwater runoff, industrial or domestic wastewater discharges, oil and gas production, mining, or farming.
- *Pesticides and herbicides*, that may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses.
- *Organic chemical contaminants*, including synthetic and volatile organic chemicals, that are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, agricultural application, and septic systems.
- *Radioactive contaminants*, that can be naturally-occurring or be the result of oil and gas production and mining activities.

**In order to ensure that tap water is safe to drink**, the USEPA and the State Water Resources Control Board (State Board) prescribe regulations that limit the amount of certain contaminants in water provided by public water systems. State Board regulations also establish limits for contaminants in bottled water that provide the same protection for public health.

**Tables 1, 2, 3, 4, 5, 7, and 8 list all of the drinking water contaminants that were detected during the most recent sampling for the constituent.** The presence of these contaminants in the water does not necessarily indicate that the water poses a health risk. The State Board allows us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative of the water quality, are more than one year old.

**TABLE 1 – SAMPLING RESULTS SHOWING THE DETECTION OF COLIFORM BACTERIA**

| Microbiological Contaminants<br>(complete if bacteria detected) | Highest No. of<br>Detections | No. of months in<br>violation | MCL  | MCLG | Typical Source of Bacteria           |
|---|------------------------------|-------------------------------|--|------|--------------------------------------|
| Total Coliform Bacteria   | (In a mo.)                   | 0                             | More than 1 sample in a month with a detection   | 0    | Naturally present in the environment |
| Fecal Coliform or <i>E. coli</i>                                | (In the year)                | 0                             | A routine sample and a repeat sample detect total coliform and either sample also detects fecal coliform or <i>E. coli</i> | 0    | Human and animal fecal waste         |

**TABLE 2 – SAMPLING RESULTS SHOWING THE DETECTION OF LEAD AND COPPER**

| Lead and Copper<br>(complete if lead or copper detected in the last sample set) | Sample Date | No. of samples collected | 90 <sup>th</sup> percentile level detected | No. sites exceeding AL | AL  | PHG | Typical Source of Contaminant   |
|---|-------------|--------------------------|--|------------------------|-----|-----|---|
| Lead (ppb)<br>2015  | 3/23/15     | 5                        | ND   | 0                      | 15  | 0.2 | Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits |
| Copper (ppm)<br>2015  | 3/23/15     | 5                        | 0.79                                       | 0                      | 1.3 | 0.3 | Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives               |

**TABLE 3 – SAMPLING RESULTS FOR SODIUM AND HARDNESS**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Level Detected | Range of Detections | MCL  | PHG (MCLG) | Typical Source of Contaminant  |
|--|-------------|----------------|---------------------|------|------------|--|
| Sodium (ppm)                                     | 4/7/15      | 75             | na                  | none | none       | Salt present in the water and is generally naturally occurring   |
| Hardness (ppm)                                   | 5/26/15     | 45.5           | 38-53               | none | none       | Sum of polyvalent cations present in the water, generally magnesium and calcium, and are usually naturally occurring |

\*Any violation of an MCL or AL is asterisked. Additional information regarding the violation is provided later in this report.

**TABLE 4 – DETECTION OF CONTAMINANTS WITH A PRIMARY DRINKING WATER STANDARD**

| Chemical or Constituent<br>(and reporting units) | Sample Date      | Level Detected | Range of Detections | MCL [MRDL]                         | PHG (MCLG) [MRDLG]                | Typical Source of Contaminant   |
|--|------------------|----------------|---------------------|------------------------------------|-----------------------------------|---|
| *Arsenic (ppb)                                   | April – Dec 2015 | 30             | 12-49               | 10                                 | 0.004                             | Erosion of natural deposits; runoff from orchards; glass and electronics production wastes                                |
| Aluminum (ppm)                                   | 4/7/15           | 0.060          | N/A                 | 1                                  | 0.6                               | Erosion of natural deposits; residue from some surface water treatment processes  |
| Barium (ppm)                                     | 4/7/15           | 0.077          | N/A                 | 1                                  | 2                                 | Discharge of oil drilling wastes and from metal refineries; erosion of natural deposits                                   |
| TTHMs (Total Trihalomethanes)(ppb)               | 9/16/15          | 20             | N/A                 | 80                                 | N/A                               | By-product of drinking water disinfection   |
| Chlorine (ppm)                                   | 2015             | 0.53           | 0.34-0.53           | [MRDL = 4.0 (as Cl <sub>2</sub> )] | [MRDLG = 4 (as Cl <sub>2</sub> )] | Drinking water disinfectant added for treatment   |
| Gross Alpha (pCi/L)                              | 8/10/15          | 1.62           | 1.57-1.67           | 50 <sup>(a)</sup>                  | (0)                               | Decay of natural and man-made deposits  |
| Fluoride (ppm)                                   | 4/7/15           | 0.18           | N/A                 | 2                                  | 1                                 | Erosion of natural deposits; water additive which promotes strong teeth; discharge from fertilizer and aluminum factories |

**TABLE 5 – DETECTION OF CONTAMINANTS WITH A SECONDARY DRINKING WATER STANDARD**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Level Detected | Range of Detections | MCL  | PHG (MCLG) | Typical Source of Contaminant                               |
|--|-------------|----------------|---------------------|------|------------|---|
| Chloride (ppm)                                   | 4/7/15      | 19             | N/A                 | 500  | N/A        | Runoff/leaching from natural deposits; seawater influence   |
| *Manganese                                       | 5/26/15     | 86.50          | 53-120              | 50   | N/A        | Leaching from natural deposits                              |
| Odor   | 4/7/15      | 1.0            | N/A                 | 3    | N/A        | Naturally-occurring organic materials                       |
| Specific Conductance μS/cm                       | 4/7/15      | 340.00         | N/A                 | 1600 | N/A        | Substances that form ions when in water; seawater influence |
| Total Dissolved Solids                           | 4/7/15      | 240            | N/A                 | 1000 | N/A        | Runoff/leaching from natural deposits                       |
| Turbidity (units)                                | 4/7/15      | 1.6            | 1.60                | 5    | N/A        | Soil runoff   |
| Sulfate (ppm)                                    | 4/7/15      | 3.2            | N/A                 | 500  | N/A        | Runoff/leaching from natural deposits; industrial wastes    |

**TABLE 6 – DETECTION OF UNREGULATED CONTAMINANTS**

| Chemical or Constituent<br>(and reporting units) | Sample Date | Level Detected | Range of Detections | Notification Level | Health Effects Language |
|--|-------------|----------------|---------------------|--------------------|-------------------------|
| None   |             |                |                     |                    |                         |

\*Any violation of an MCL, MRDL, or TT is asterisked. Additional information regarding the violation is provided later in this report.

### Additional General Information on Drinking Water

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that the water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the USEPA's Safe Drinking Water Hotline (1-800-426-4791).

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. USEPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by *Cryptosporidium* and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).

While your drinking water meets the federal and state standard for arsenic, it does contain low levels of arsenic. The arsenic standard balances the current understanding of arsenic's possible health effects against the cost of removing arsenic from drinking water. The U.S. Environmental Protection Agency continues to research the health effects of low levels of arsenic, which is a mineral known to cause cancer in humans at high concentrations and is linked to other health effects such as skin damage and circulatory problems.

**The Santa Rosa Golf and Country Club water system is operated under contract by Weeks Water Treatment of Sebastopol.**

**To inquire about the system or to report trouble, please call 707-542-3272.**

\*Samples taken in 2015 for Manganese were over the MCLs for secondary standards. Secondary standards are set for aesthetic reasons to protect the taste, odor and appearance of drinking water.

**\*Santa Rosa Golf has a treatment system in place to bring both Manganese and Arsenic to acceptable levels.**

### **Summary Information for Violation of a MCL, MRDL, AL, TT, or Monitoring and Reporting Requirement**

| <b>VIOLATION OF A MCL, MRDL, AL, TT, OR MONITORING AND REPORTING REQUIREMENT</b> |                    |                 |   |                                |
|--|--------------------|-----------------|---|--------------------------------|
| <b>Violation</b>   | <b>Explanation</b> | <b>Duration</b> | <b>Actions Taken to Correct the Violation</b> | <b>Health Effects Language</b> |
| <b>None</b>  |                    |                 |   |                                |

### **For Water Systems Providing Ground Water as a Source of Drinking Water**

**TABLE 7 – SAMPLING RESULTS SHOWING  
FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLES**

| <b>Microbiological Contaminants</b><br>(complete if fecal-indicator detected) | <b>Total No. of<br/>Detections</b> | <b>Sample<br/>Dates</b> | <b>MCL<br/>[MRDL]</b> | <b>PHG<br/>(MCLG)<br/>[MRDLG]</b> | <b>Typical Source of Contaminant</b> |
|---|------------------------------------|-------------------------|-----------------------|-----------------------------------|--------------------------------------|
| <i>E. coli</i>  | (In the year)                      | 0                       | 0                     | (0)                               | Human and animal fecal waste         |
| Enterococci   | (In the year)                      | 0                       | TT                    | n/a                               | Human and animal fecal waste         |
| Coliphage   | (In the year)                      | 0                       | TT                    | n/a                               | Human and animal fecal waste         |

### **Summary Information for Fecal Indicator-Positive Ground Water Source Samples, Uncorrected Significant Deficiencies, or Ground Water TT**

| <b>SPECIAL NOTICE OF FECAL INDICATOR-POSITIVE GROUND WATER SOURCE SAMPLE</b> |                    |                 |   |                                |
|--|--------------------|-----------------|---|--------------------------------|
| None   |                    |                 |   |                                |
| <b>SPECIAL NOTICE FOR UNCORRECTED SIGNIFICANT DEFICIENCIES</b>               |                    |                 |   |                                |
| None   |                    |                 |   |                                |
| <b>VIOLATION OF GROUND WATER TT</b>  |                    |                 |   |                                |
| <b>TT Violation</b>  | <b>Explanation</b> | <b>Duration</b> | <b>Actions Taken to Correct the Violation</b> | <b>Health Effects Language</b> |
| None   |                    |                 |   |                                |